

FIG.1 MULTIPLE VIDEO ENCODERS

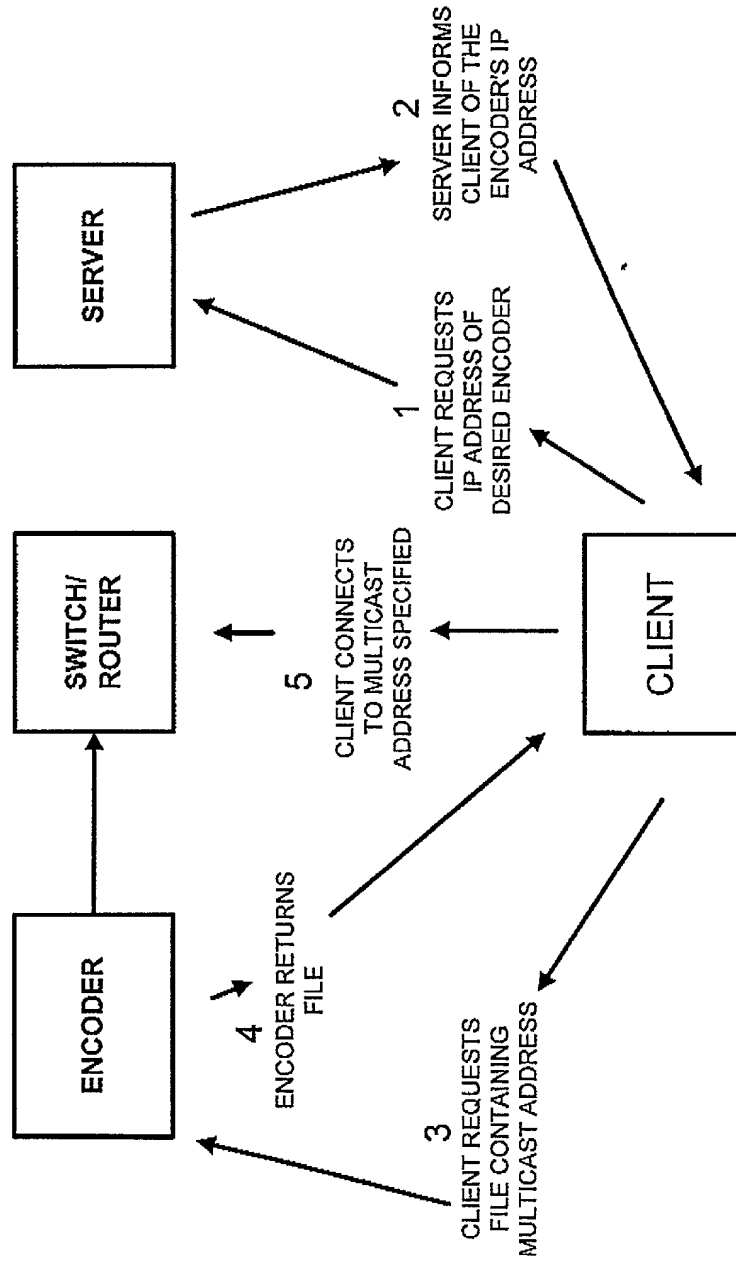
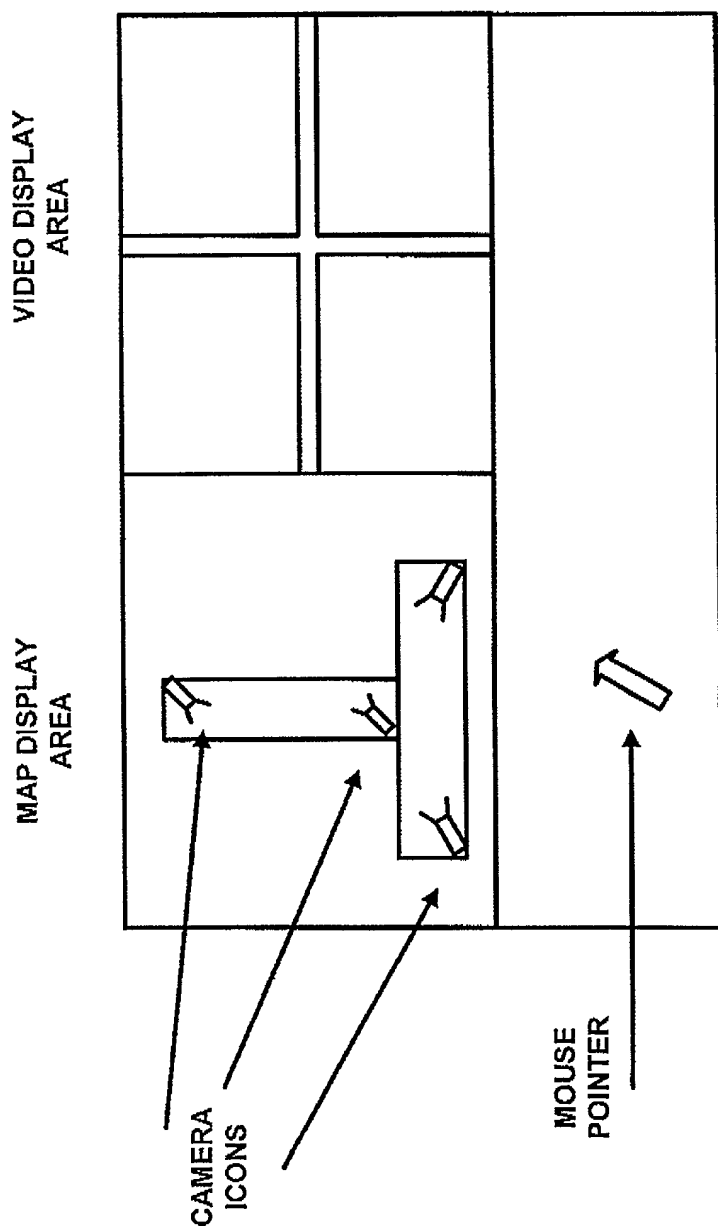


Fig. 2 MULTICAST ADDRESS RESOLUTION

FIG. 3



**FIG. 3**  
**SCREEN LAYOUT**

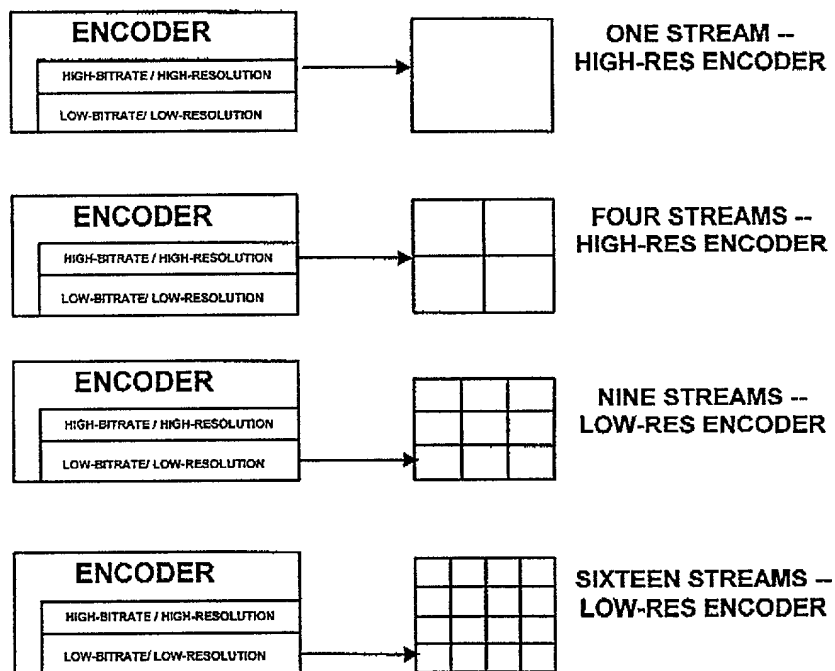


FIG. 4 -- BANDWIDTH CONSERVATION



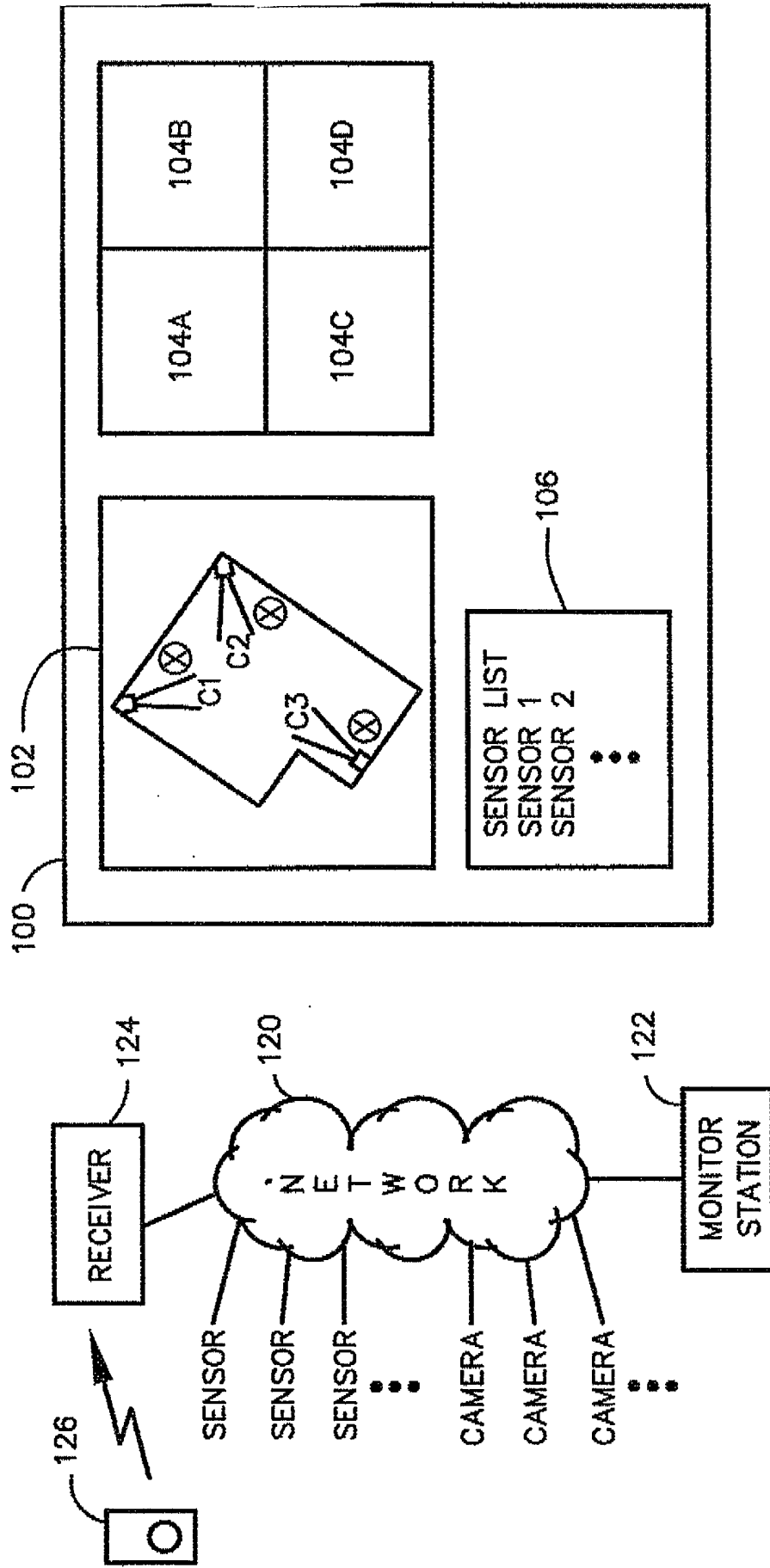


FIG. 6 CAMERA ICON HIGHLIGHTING

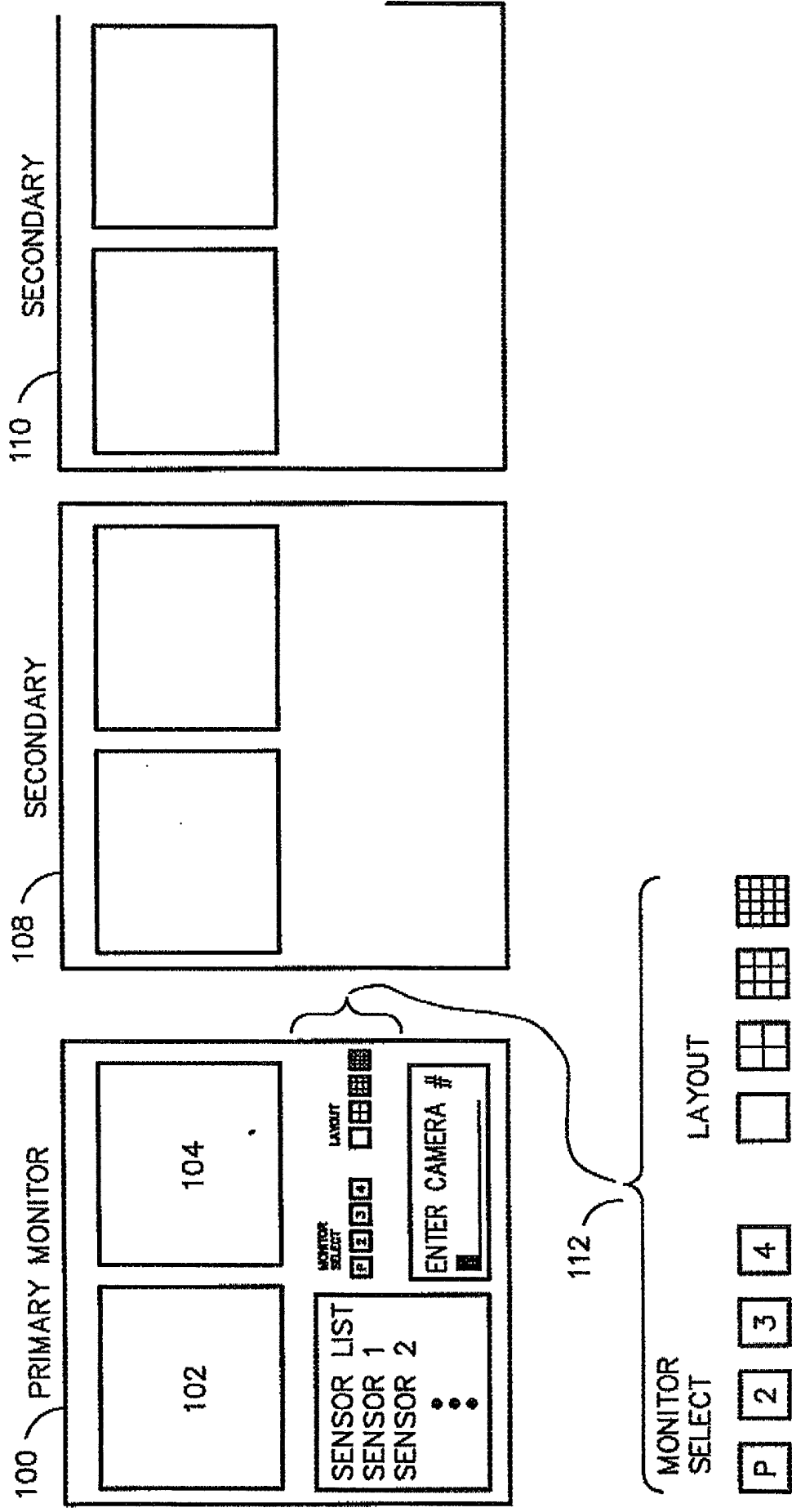


FIG. 7 SETTING UP MULTIPLE SCREENS

FIG. 8 is a schematic diagram of a dynamic control system for screens. The system includes a network 120 connected to a monitor station 122. The network 120 is connected to two groups of sensors and cameras: Group 1 (SENSORS and CAMERAS) and Group 2 (SENSORS and CAMERAS). The network 120 is also connected to a primary monitor 102 and a secondary monitor 108. The primary monitor 102 displays a 3D wireframe model of a structure with two cameras, C1 and C2, positioned at different angles. The secondary monitor 108 displays a 3D wireframe model of a structure with four cameras, 104A, 104B, 104C, and 104D, positioned at different angles.

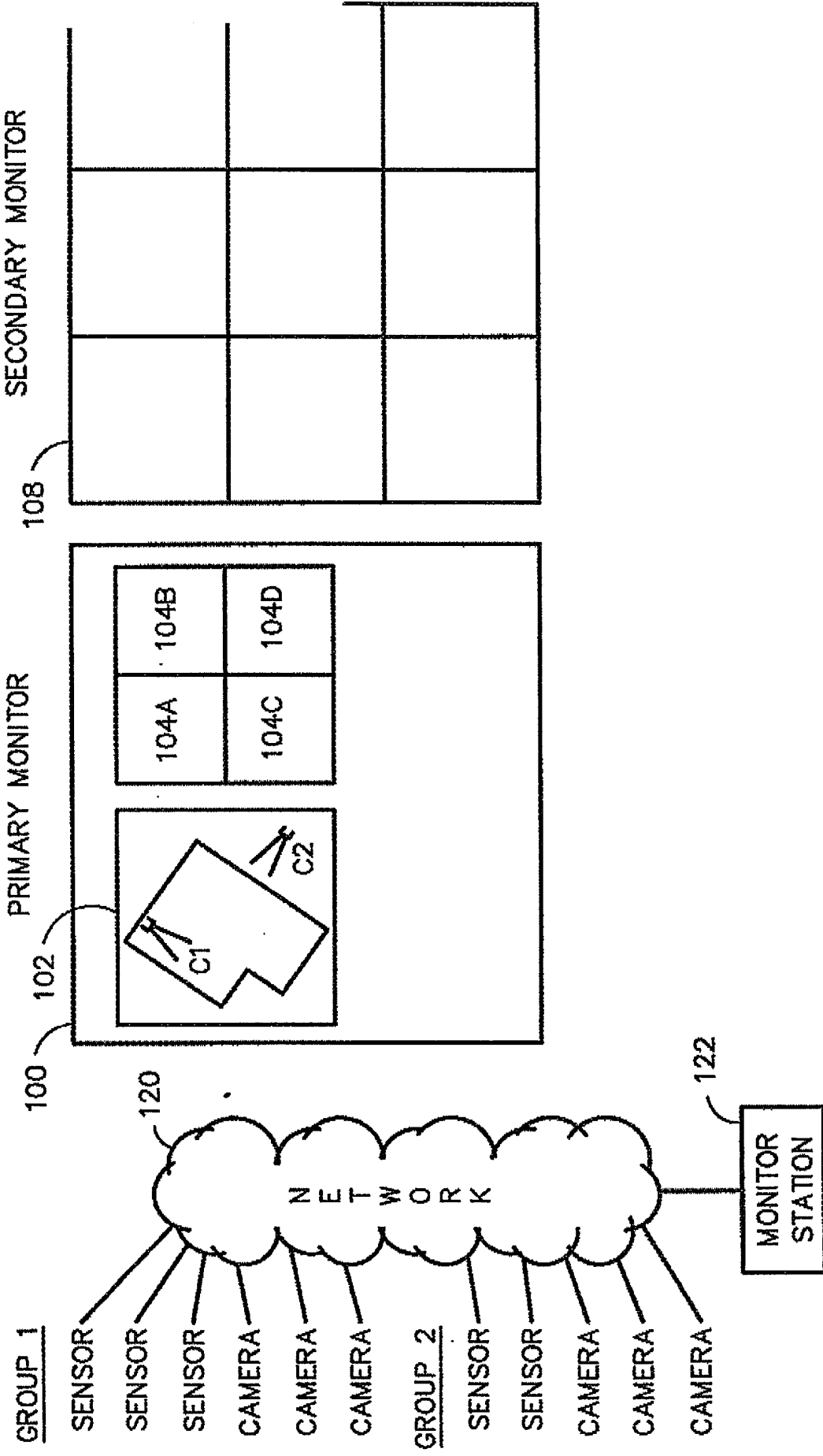


FIG. 8 DYNAMIC CONTROL OF SCREENS

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